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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/759,424	01/12/2001	Manabu Sawasaki	1508.65123	2317
24978 GDEED BLID	7590 01/09/2008		EXAM	INER
GREER, BURNS & CRAIN 300 S WACKER DR			NGUYEN, DUNG T	
25TH FLOOR CHICAGO, IL			ART UNIT	PAPER NUMBER
			2871	
			MAIL DATE	DELIVERY MODE
			01/09/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)			
		09/759,424	SAWASAKI ET AL.			
	Office Action Summary	Examiner	Art Unit			
	•	Dung Nguyen	2871			
	The MAILING DATE of this communication app	ears on the cover sheet with the c	orrespondence address			
WHIC - Exter after - If NO - Failu Any (ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATES IN THE MAILING DA	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status						
· <u> </u>	2a)⊠ This action is FINAL . 2b)□ This action is non-final.					
Dispositi	on of Claims					
5)⊠ 6)⊠ 7)□ 8)□ Applicat i 9)□ 10)□	Claim(s) 1,8,23,32-41,54,55,57,59-61,63 and 6 4a) Of the above claim(s) 54 and 55 is/are wither Claim(s) 23,32-41,57,59-61,63,65,66-69 is/are Claim(s) 1,8 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or on Papers The specification is objected to by the Examine The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct the correct of the oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct of the oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct of the oath of	drawn from consideration. allowed. r election requirement. r. epted or b) objected to by the formula of the formula of the drawing(s) be held in abeyance. See ion is required if the drawing(s) is objected.	Examiner. e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority ι	ınder 35 U.S.C. § 119		·			
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
2) 🔲 Notic 3) 🔯 Inforr	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date 10/17/07.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:				

Art Unit: 2871

DETAILED ACTION

Applicants' amendment dated 10/17/2007 has been received and entered. By the amendment, claims 1, 8, 23, 32-41, 54-55, 57, 59-61, 63 and 65-69 are remain pending in the application, wherein claims 54 and 55 stand withdrawn from consideration.

Applicant's arguments with respect to claims 1 and 8 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lien et al., US Patent No. 6,493,050.

Regarding claims 1 and 8, Lien et al. figures 1A and 16-17 which disclose a liquid crystal display (LCD) device comprising:

- . a pair of substrates (102, 104);
- . a liquid crystal layer (101);
- . color filters (106);
- . a common electrode (122);
- covered directly adjacent terminal edges of the color filters (where the color filters 510 and 504

Art Unit: 2871

are met) as well as formed over a black matrix(the stacked color filters 112, 510, 504)(see figure 16);

- . domain defining projections (pretilt control structure 114/134) as claimed.
- . gap holding spacers (dam 110/602) formed outside of a display region (see figure 2).

Lien et al., however, do not disclose the gap holding spacers formed interspersedly in an area between outside of the display region and the sealing material region. It would have been an obvious to one having ordinary skill in the art at the time the invention was made to interspersedly form a gap holding spacers since the examiner takes Office Notice of the equivalence of the stripe shaped gap holding spacer and intersperse formed gap holding spacer for their use in the display art and the selection of any of these known equivalents to maintain an uniform cell gap would be within the level of ordinary skill in the art.

Allowable Subject Matter

3. Claims 23, 32-41, 57, 59-60, 63 and 65-66 are allowed.

The following is a statement of reasons for the indication of allowable subject matter: none of prior art disclose, singly or combined, an LCD device having a plurality of spacers interposed between two substrates, wherein the spacers are formed to satisfy all condition as set forth in claims 32-33. Furthermore, pixel regions include both first pixel regions, in which a final protection film is interposed between pixel electrodes and a transparent substrate, and second pixel regions, in which the final protection film is not interposed between the pixel electrodes and the transparent substrate as set forth in claims 23, 32-34, 38, 57, 59-60, 63 and 65-

Art Unit: 2871

66 as well as both the first and second spacers are formed over a black matrix formed on the substrate as set forth in claims 61 and 67-69).

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dung Nguyen whose telephone number is 571-272-2297. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on 571-272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2871

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DN 01/07/2008

/Dung Nguyen/
Dung Nguyen
Primary Examiner
Art Unit 2871